

filename : E-IL2-M3F-28  
 meas. number : 2527  
 luminaire number : E-IL2-M3F-28  
 date / operator : 25-04-2011

**default lamp type(s)**

no of lamps	lamp type	flux / lamp	wattage
1	28w 2D - Emerg operation	190 lm	26 W
1	28w 2D - Mains Operation	2050 lm	26 W

**dimensions**

luminaire	luminous area
diameter : 355 mm	diameter : 355 mm
height : 95 mm	height : 55 mm

**coordinate system**

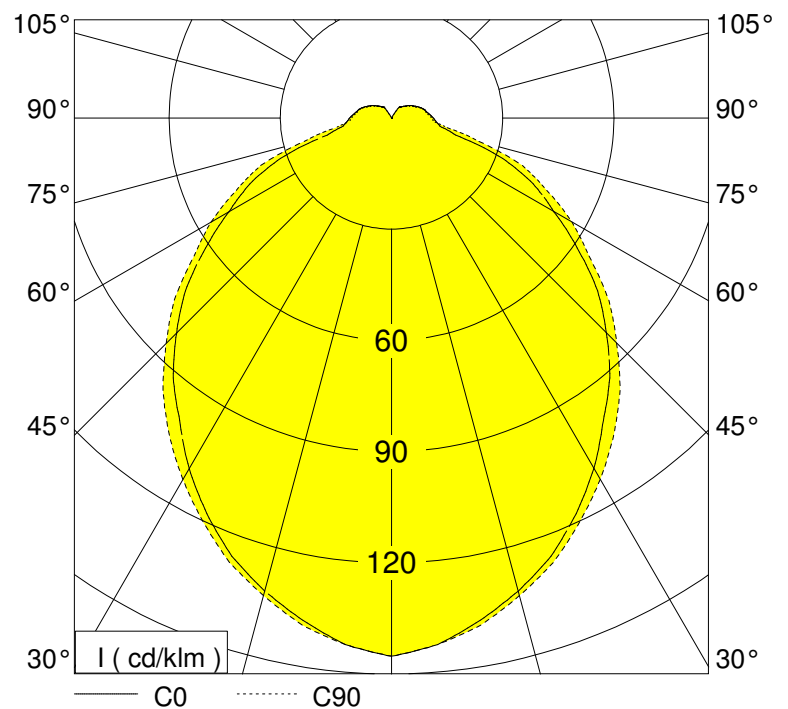
no of planes : 7	samples / plane : 37
first c-plane : 0.0 °	first gamma-angle : 0.0 °
step angle : 15.0 °	step angle : 5.0 °
last c-plane : 90.0 °	last gamma-angle : 180.0 °
symmetrics : symmetry to C0 / C90	

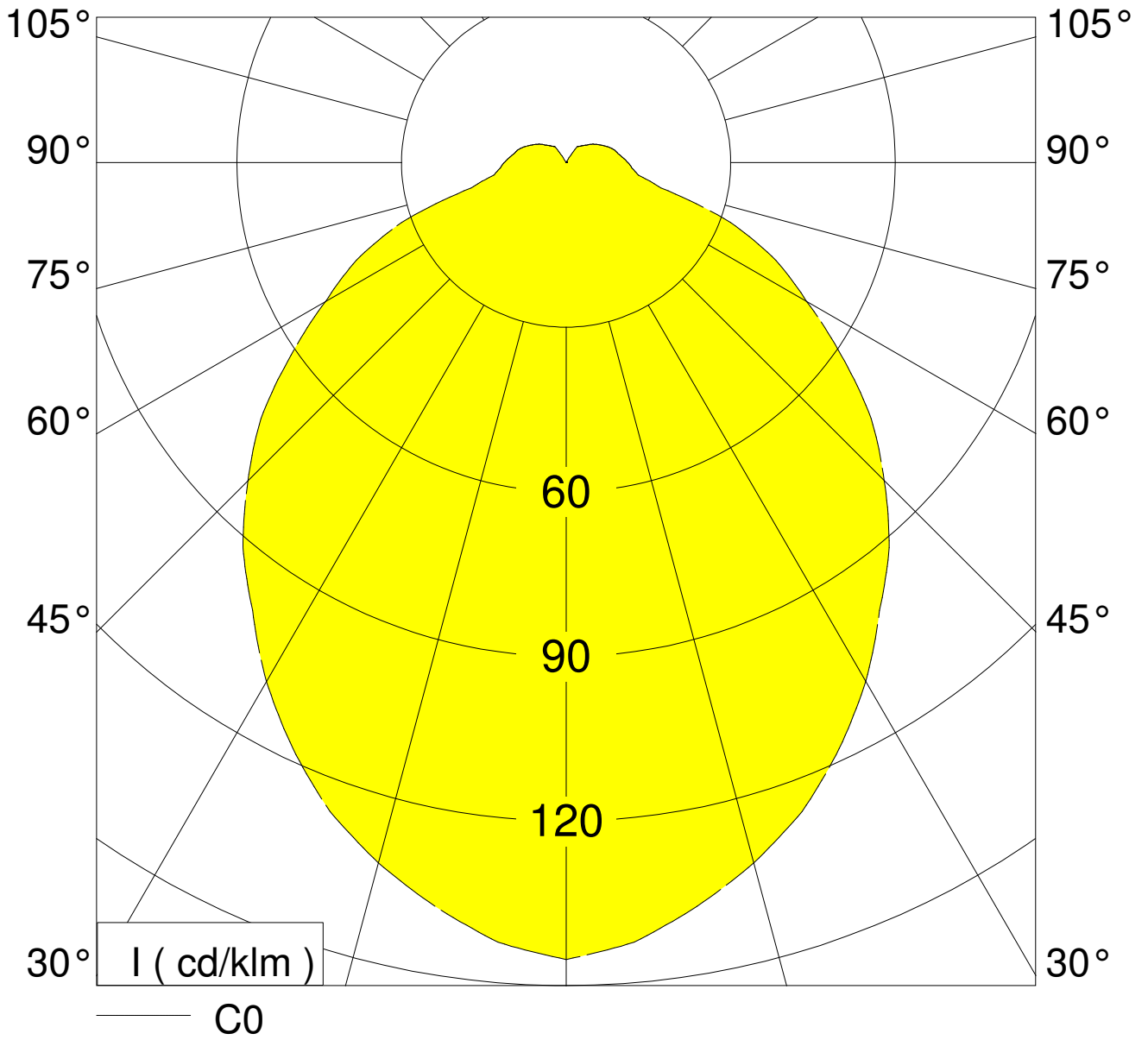
**performance**

light output ratio : 40.7 %  
 DFF : 90.8 %  
 UFF : 9.2 %

**classification**

LiTG / DIN : A41  
 UTE : 0.37D+0.04T 0.37E+0.04T  
 CIE : 48 78 94 91 41  
 BZ : 5 5 5 5 5 5 5 5





	C 0.0	C 15.0	C 30.0	C 45.0	C 60.0	C 75.0	C 90.0
0.0°	145.20	145.20	145.20	145.20	145.20	145.20	145.20
5.0°	142.60	142.60	142.60	142.40	142.20	142.40	142.60
10.0°	137.60	137.90	138.20	138.20	138.20	138.50	138.90
15.0°	132.10	132.10	132.10	132.80	133.50	133.40	133.40
20.0°	125.80	125.90	125.90	126.40	126.80	127.20	127.60
25.0°	117.80	117.80	117.60	117.90	118.20	119.20	120.20
30.0°	109.20	109.20	109.20	109.60	110.20	111.30	112.60
35.0°	99.60	99.90	100.10	101.20	102.20	103.30	104.50
40.0°	91.60	91.50	91.50	91.90	92.20	94.10	95.90
45.0°	82.00	82.20	82.30	82.50	82.60	84.20	85.90
50.0°	72.60	73.00	73.50	73.90	74.30	75.30	76.50
55.0°	61.20	62.00	63.00	64.20	65.20	65.20	65.00
60.0°	50.60	51.00	51.50	52.30	53.30	54.70	56.20
65.0°	42.20	41.90	41.70	42.90	44.20	45.20	46.20
70.0°	31.90	31.90	31.90	33.40	35.30	36.40	37.60
75.0°	17.90	19.70	21.60	21.60	21.60	23.00	24.40
80.0°	13.40	13.40	13.40	14.20	14.60	15.00	15.30
85.0°	12.10	11.90	11.60	11.60	11.60	11.60	11.40
90.0°	11.30	11.10	11.00	10.90	10.90	10.90	10.90
95.0°	10.40	10.30	10.10	10.10	9.90	10.00	10.00
100.0°	9.60	9.60	9.40	9.40	9.40	9.40	9.40
105.0°	9.10	9.00	8.90	8.70	8.60	8.70	8.90
110.0°	8.30	8.10	8.00	8.00	8.00	8.00	8.10
115.0°	7.40	7.30	7.10	7.00	6.90	6.90	6.90
120.0°	6.60	6.40	6.40	6.40	6.40	6.40	6.40
125.0°	5.90	5.60	5.40	5.40	5.40	5.40	5.60
130.0°	5.00	5.00	5.00	5.00	5.00	5.00	5.00
135.0°	4.40	4.30	4.10	4.10	4.10	4.30	4.40
140.0°	3.90	3.70	3.60	3.60	3.60	3.70	3.90
145.0°	3.60	3.60	3.60	3.60	3.60	3.60	3.60
150.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.0°	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	cd / klm						

<b>glare rating according to UGR</b>										
ρ-ceiling	70	70	50	50	30	70	70	50	50	30
ρ-walls	50	30	50	30	30	50	30	50	30	30
ρ-workplane	20	20	20	20	20	20	20	20	20	20
room dimensions X            Y	viewed crosswise					viewed endwise				
2H            2H	5.8	7.2	6.2	7.5	7.9	6.1	7.5	6.5	7.8	8.2
3H	6.7	7.8	7.1	8.1	8.5	7.2	8.3	7.6	8.6	9.0
4H	7.1	8.2	7.5	8.6	9.0	7.7	8.8	8.1	9.2	9.6
6H	7.4	8.4	7.8	8.8	9.3	8.1	9.1	8.5	9.5	9.9
8H	7.6	8.6	8.0	9.0	9.5	8.2	9.3	8.7	9.7	10.1
12H	7.8	8.8	8.3	9.2	9.7	8.4	9.4	8.9	9.9	10.3
4H            2H	6.1	7.1	6.5	7.5	7.9	6.3	7.4	6.7	7.8	8.2
3H	7.7	8.7	8.1	9.1	9.6	8.1	9.1	8.6	9.5	10.0
4H	8.3	9.2	8.8	9.7	10.2	8.8	9.8	9.3	10.3	10.8
6H	8.4	9.3	9.0	9.7	10.3	9.0	9.9	9.6	10.3	10.9
8H	8.7	9.4	9.2	10.0	10.6	9.3	10.0	9.8	10.6	11.1
12H	9.1	9.8	9.7	10.4	11.1	9.6	10.4	10.2	11.0	11.6
8H            4H	8.3	9.1	8.9	9.6	10.2	8.8	9.6	9.4	10.1	10.7
6H	9.1	9.8	9.7	10.4	11.2	9.6	10.4	10.3	11.0	11.7
8H	9.5	10.2	10.2	10.9	11.6	10.0	10.7	10.7	11.4	12.2
12H	9.8	10.3	10.5	11.0	11.8	10.2	10.8	10.9	11.5	12.3
12H            4H	8.5	9.3	9.1	9.9	10.5	9.0	9.7	9.6	10.3	11.0
6H	9.3	10.0	9.9	10.6	11.4	9.8	10.5	10.5	11.2	11.9
8H	9.5	10.1	10.2	10.8	11.6	10.0	10.6	10.7	11.3	12.1
variation of observer position										
S =	1.0H	+0.1/		-0.2		+0.1/		-0.1		
	1.5H	+0.3/		-0.5		+0.3/		-0.4		
	2.0H	+0.5/		-0.7		+0.4/		-0.6		
standard-table	BK05					BK05				
correction for luminaire	-11.1					-10.6				
correct glare indices for a total flux of 190lm										

<b>utilization factors / TM5</b>											
reflection			room index								
C	W	F	0.75	1.0	1.25	1.5	2.0	2.5	3.0	4.0	5.0
70	50	20	22	26	29	31	34	36	38	39	41
70	30	20	19	23	26	29	32	34	35	38	39
70	10	20	17	21	24	26	30	32	34	36	38
50	50	20	21	25	28	30	32	34	35	37	38
50	30	20	19	23	25	27	30	32	34	36	37
50	10	20	17	20	23	25	28	31	32	34	36
30	50	20	21	24	26	28	31	32	33	35	36
30	30	20	18	22	24	26	29	31	32	34	35
30	10	20	16	20	23	25	27	29	31	33	34
0	0	0	15	19	21	23	25	27	28	30	31
BZ-class			5	5	5	5	5	5	5	5	5
SHRnom : 1.25						SHRmax : 1.455					

